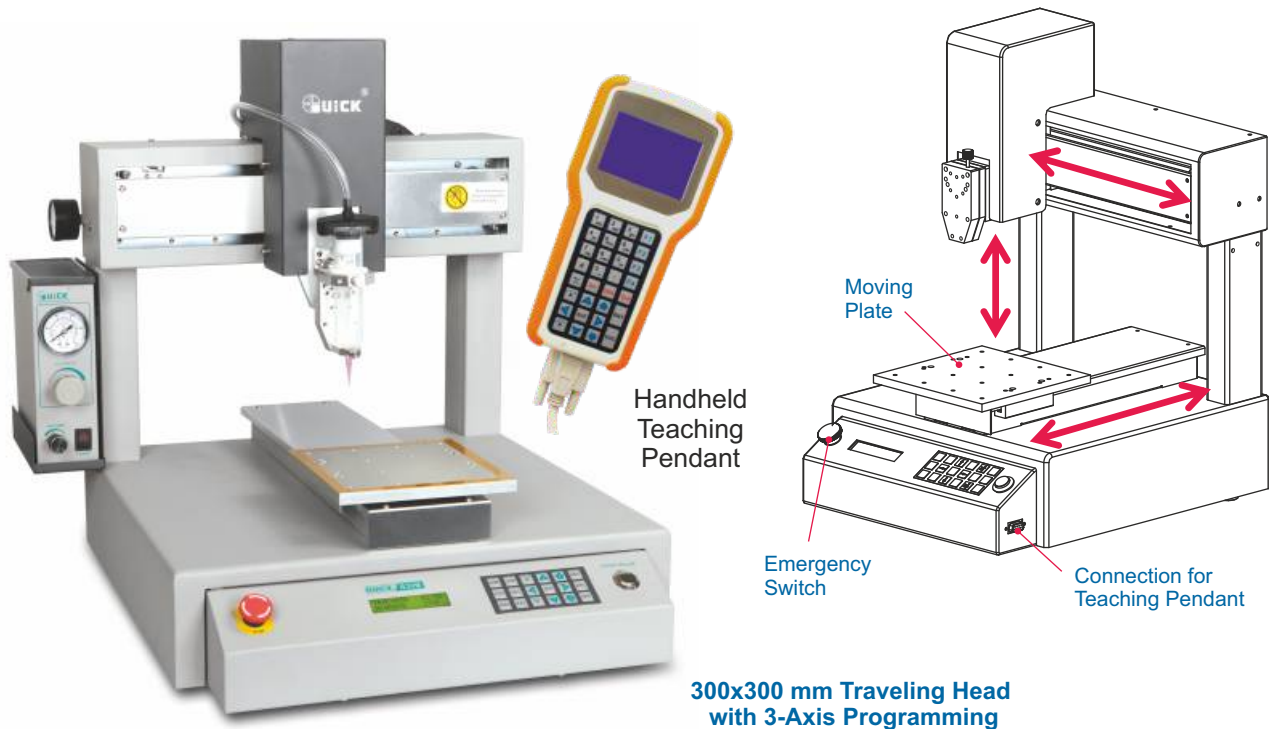


## Low priced Highly Reliable Dispensing Robot Model 8320A

**INDE**  
reliable & caring since 1976

provides higher production rate without increasing workforce, avoids wastage of dispensing materials and provides consistency in every dispensing cycle



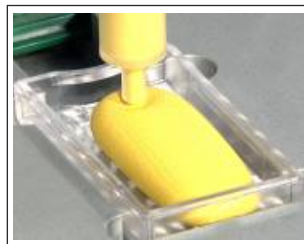
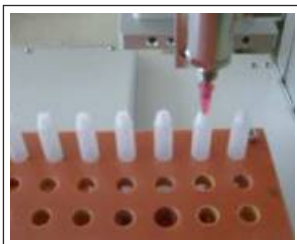
This desktop Robot is designed for the automation of dispensing operation to minimize working hands. Besides increasing productivity, it also lowers production cost because there is no wastage of dispensing materials. It is a fully-automatic and high resolution control system with 3-axis movement. This also provides easier programming instructions, more parameters, a larger memory space and higher speed. It increases production rate.

### Features:

- High cost-effective platform linear structure
- Hand-held programming pendant for faster and easier programming
- High-precision stepper motor control, dispensing precise trajectory.
- The dispensing speed, time can be set independently.
- A variety of dispensing needles, syringes, dispensing valve, and a controller, to meet different requirements.

### Scope of Supply:

- |  |                              |
|--|------------------------------|
| • Main Unit                            | • Cover for Nozzles (2pcs)   |
| • Teaching Pendant with interface Cord | • Adaptor                    |
| • Allen Key Box                        | • Dispensing Barrel & Piston |
| • Dispensing Controller with Cord      | • Nozzles (12 Pcs)           |
| • PU Tube (8mm dia x 2.5 meter length) | • Instruction Manual         |



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Warranty is 12 months from the date of invoice. It excludes all consumable parts as Nozzles, Barrel etc. and any physically damaged parts.

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### Specifications of Dispensing Robot Model 8320A

Input Supply	230V, 50 Hz, 80 Watt
Axis	3
Movement Range in X Direction	300 mm
Movement Range in Y Direction	300 mm
Movement Range in Z Direction	100 mm
Speed Range in X Direction	0.1~600 mm/sec
Speed Range in Y Direction	0.1~600 mm/sec
Speed Range in Z Direction	0.1~300 mm/sec
Repeat Accuracy(mm) in X, Y & Z Direction	0.02 mm
Resolution in X, Y & Z Direction	0.01 mm
Loaded Weight Worktable	5 Kg
Loaded Weight Head	2 Kg
Speed Control	3-dimensional linear and circular interpolation, with a look-ahead processing of automatic speed
Gluing Compensation	Early plastic, advance off plastic, rubber switch delay segment drawing, etc.
CAD graphics support	Provided by the supporting software DXF import graphics and G codes, support manual drawing
Demo File Capacity	≤999, Max 60000 Points
Processed File Capacity	≤255
Size W×D×H(mm); Weight (kg)	420x480x500 approx; 27kg approx.

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### Available consumables for Dispensing Robot

#### Syringe Adaptors

Straight design in conjunction with high precision piston, with excellent flow properties and high withstand voltage characteristics, can achieve high-precision dispensing.

Model	Adapter
10CC	10CC
30CC	30CC
55CC	30CC
300CC	300CC



#### Dispensing Needles

Each needle using precision machining, precision polishing needle tube wall, no edges, to ensure continuous dispensing accuracy.

##### Stainless Steel Needles



Model	Inner dia	Outer dia
14G	1.60mm	2.10mm
15G	1.40mm	1.80mm
16G	1.26mm	1.60mm
18G	0.86mm	1.26mm
20G	0.60mm	0.90mm
22G	0.40mm	0.70mm
23G	0.33mm	0.63mm
25G	0.26mm	0.50mm
28G	0.15mm	0.35mm

##### Plastic Base Stainless Steel Needles



Model	Inner dia	Outer dia
14G	1.52mm	2.10mm
16G	1.25mm	1.60mm
18G	0.84mm	1.27mm
20G	0.60mm	0.91mm
21G	0.51mm	0.82mm
22G	0.41mm	0.72mm
23G	0.34mm	0.64mm
25G	0.26mm	0.51mm
28G	0.18mm	0.40mm

##### All-Plastic Inclined Needle



Model	Aperture
14G	1.55mm
16G	1.21mm
18G	0.84mm
20G	0.61mm
22G	0.41mm
25G	0.26mm

##### Teflon Needle



Model	Aperture
21G	0.51mm
25G	0.30mm
27G	0.20mm

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